

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicants : Takahiko Kawahara, et al.  
Serial No. : To Be Assigned                      Art Unit : Not Yet Assigned  
Filed : Herewith                                      Examiner : Not Yet Assigned  
For : Semiconductor Optical Device, Semiconductor Laser Device,  
: Semiconductor Optical Modulation Device, and Semiconductor  
: Optical Integrated Device

**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

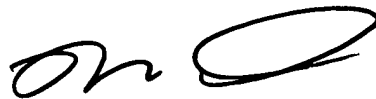
Pursuant to the duty of disclosure under 37 C.F.R. §1.56, Applicants enclose an Information Disclosure Citation Form (PTO-1449). A copy of the cited document is enclosed. This document is listed on page 3 of the specification of the above-captioned application.

It is respectfully requested that the cited document be considered by the Examiner in the above-identified patent application and that the cited document be made officially of record therein. It is further requested that a listing of the same appear on the face of any patent which may issue from this application.

This Information Disclosure Statement is being filed with the present application, and therefore it is believed that no fees are due under 37 C.F.R. Section 1.97(i).

Respectfully submitted,  
SMITH, GAMBRELL & RUSSELL, LLP

By :



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<b>FORM PTO-1449</b>  <b>INFORMATION DISCLOSURE STATEMENT</b>  <i>(Use several sheets if necessary)</i>	<b>ATTY. DOCKET NO.</b> 033035M133	<b>SERIAL NO.</b> To Be Assigned
	<b>APPLICANTS:</b> Takahiko Kawahara	
	<b>FILING DATE</b> Herewith	<b>GROUP ART UNIT</b> To Be Assigned

### U.S. Patent Documents

Examiner Initials		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE, IF APPROPRIATE
	AA	5,717,710	2/10/98	Miyazaki et al.			
	AB						
	AC						
	AD						
	AE						
	AF						

### FOREIGN PATENT DOCUMENTS

*Examiner's Initials		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION	
							YES	NO
	AG							
	AH							
	AI							
	AJ							
	AK							

### OTHER INFORMATION (Including Author, Title, Date, Pertinent Pages, Etc.)

	AL	
	AM	
	AN	
	AO	
	AP	
	AQ	

<b>EXAMINER</b>	<b>DATE CONSIDERED</b>
<b>*EXAMINER:</b> Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	